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POL/5981

Symposium on Electroacoustic Transducers

The following basic problems are treated: 1) theoretical research on energy transformation processes; 2) experimental development of new types of transducers; 3) electroacoustic measurements; 4) technology of piezoelectric and magnetostrictive materials; 5) construction of transducers for technical needs; and 6) design of acoustical transducer systems. No personalities are mentioned. References (if any) follow the individual articles.

TABLE OF CONTENTS:

Preface

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Problems of Research Work on Electroacoustic Transducers. Ignacy Malecki,  
President of the Conference

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Ch. 1. General Problems and Theory of Electroacoustic Transducers  
1. Classification of electromechanical transformation methods in the  
light of the tasks faced within [sic] the design and construction  
of electroacoustic equipment. V. S. Grigor'yev

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Card 2/8

SHYSKO, H.M.

4  
1-432  
1-441

Properties of  $\alpha$ -cellulose isolated from pulp of modern and interglacial pine woods. A. I. Skirgan, A. M. Shysko, and R. G. Zhabankin. *Vestsi Akad. Nauk Belarar. S.S.R., Ser. Fis.-Tekh. Nauk* 1957, No. 1, 29-45 (Russian summary).—Chem. and phys. properties were detd. for  $\alpha$ -cellulose, isolated from pinewood of ages, estd. from the time of felling, from 1 to 140,000 years (interglacial wood buried in peat bogs). The yields of bleached and unbleached crude cellulose were 40-46 and 38-44%, resp. The yield decreased with age; from the interglacial wood only 15-25% unbleached cellulose was obtained. The yield of  $\alpha$ -cellulose ranged from 88% after 1 year to 92.55% after 100-500 years on the wt. of unbleached crude cellulose. The  $\alpha$ -cellulose was nitrated, acetylated, and deuteriated. The amts. of OH in  $\alpha$ -cellulose, of ONO<sub>2</sub> in nitrocellulose, and of Ac in cellulose acetate decreased from the time of felling the pinewood; isotopic study showed also a decrease of OD groups. Most of the CO<sub>2</sub>H groups form H bonds (infrared spectra), the greatest amts. of which were found in  $\alpha$ -cellulose from wood one year after felling. In general, with increasing time, the amt. of C increased and the amts. of H and O and N decreased. The amt. of C=O groups (infrared spectra) also increased; this indicates that the transformation of carbohydrates into cyclic compds. occurs not only during the growth of the plants but also in the peat. 30 references. E. Wierbicki...

23

SKRYGAN, A.I. [Skryhan, A.I.]; SHYSHKO, A.M.; ABRANPAL'SKI, I.N.;  
VALOZHYN, A.I.

Study of sapropels with low ash content from lakes and marshes in  
the White Russian S.S.R. Vestsi AN BSSR.Ser.fiz.-tekh.nav. no.1:  
64-68 '62. (MIRA 16:9)

(White Russia--Sapropel)

SHYSHNIASHVILI, M.Ye.

Exchange adsorption in aluminum-silicate gel and clay. Vestsi AN  
BSSR.Ser.fiz.-tekhn.nav.no.3:37-46 '56. (MLRA 10:1)  
(Adsorption) (Aluminum silicates)  
(Silica gel)

SHYTI, Hajro

126 cases of acute polyarthritis. Bul. univ. shtet. Tirane  
[Mjek] 3:28-34 '62.

(ARTHRITIS, RHEUMATOID)

SHYTI, Rado, sr.

Results of combined hormonal and antibacterial therapy of serofibrinous exudates. Shendet. pop. 1:25-32 '64.

1. Spitali i perqjithshem ushtarak Tirane (Shef i terapise spitalit, Kolonel Dr. Th. Papavrami).

SHYTOVA, G.Ya.

Epizootiology of Ascarops infestation of swine in the U.S.S.R.  
Trudy Gel'm.lab. 11:356-362 '61. (MIRA 15:12)  
(Parasites--Swine) (Ascarops)

SHEVCHENKO, N.I.; AN, V.V.; SHOSTAKOVSKIY, V.M.; BEL'SKIY, I.P.

Hydrogenation of  $\beta$ -furylpropionic acid on catalysts containing  
certain metals of the group VIII. Izv. AN SSSR Ser. khim. no.10:  
2102-2103 N '64 (MIRA 18:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.



14-57-7-14210

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,  
p 7 (USSR)

AUTHOR: Shyukyurov, S.

TITLE: Use of Motion Pictures in Geography Classes (Ispol'zovaniye kinofil'mov na urokakh geografii--in Azerbaidzhanian)

PERIODICAL: Azerb. Mektebi, 1957, Nr 1, pp 46-52

ABSTRACT: Bibliographic entry  
Card 1/1

HUNGARY/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur- Biol., No 7, 1958, 29763

Author : Shyuller, F.

Inst : -

Title : The Significance of Soya Bean Crops in Hungarian  
Agriculture

Orig Pub : Agrartudomány, 1957, 9, No 1-2, 37-40 (veng.)

Abstract : No abstract.

Card 1/1

HUNGARY/Cultivated Plants - Grains.

M-2

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29733  
Author : Shyuller, F.  
Inst :  
Title : Results of Industrial Testing of Corn Varieties.  
Orig Pub : Magyar mezogazd., 1957, 12, No 9, 8-10 (veng.).  
Abstract : No abstract.

Card 1/1

SHYUTTSE, V.

USSR/Nuclear Physics - Lithium isotopes

FD-2910

Card 1/1            Pub. 146 - 10/19

Author            : Ordzhonikidze, K.; Shyuttse, V.

Title             : Investigation of the isotopic composition of lithium

Periodical        : Zhur. eksp. i teor. fiz., 29, October 1955, 479-485

Abstract          : The authors investigate the fractioning effects of lithium isotopes during evaporation of lithium ions from the surface of wolfram powder and during ionization of molecular beams of lithium compounds by electron beam. In the first case they observe two processes of ion emission: the first process at low temperatures of the anode occurs with coefficient of separation larger than in free evaporation; the second process at high temperatures of the anode occurs without separation of isotopes and gives a simple and accurate method for the determination of the relative content of lithium isotopes. The relative content of lithium isotopes obtained is  $\text{Li}^7/\text{Li}^6 = 12.47 \pm 0.02$ . During ionization of lithium compounds by electron beam the authors observe small separation effects, the causes of which are not explained. By means of the developed method they measure the relative content of lithium isotopes in certain minerals. Eleven references, all Western.

Submitted         : July 2, 1954

00767TSC, V

USSR/Nuclear Physics - Boron isotopes

FD-2,11

Card 1/1

Pub. 146 - 11,19

Author : Shyuttse, V.

Title : ~~Investigation of the isotopic composition of boron~~  
Investigation of the isotopic composition of boron

Periodical : Zhur. eksp. i teor. fiz., 29, October 1955, 486-489

Abstract : In the mass-spectrometric measurements of isotopic composition of boron (the ionization of the boron compounds by electron beam), the author observed the fractioning effects of isotopes. As a result of the investigation of these effects he notes that during evaporation of boron compounds from a platinum crucible the predominant evaporation of the heavy isotope occurs; i.e. an effect contrary to the effects observed in the case of ideal evaporation. He observed that during the preparation of gaseous and solid boron compounds the separation also occurs of isotopes with the same sign of the coefficient of fractioning. The author investigates the influence of the indicated fractioning effects upon the accuracy of determination of the isotopic composition of boron. He thanks K. Kupriyanov and L. Chernova. Five references.

Institution :

Submitted : July 2, 1954

Shyutse, V.

7638. AN INVESTIGATION OF THE ISOTOPIC CONSTITUTION OF BORON. V. Shyutse. 539.155.2

Zh. eksper. teor. Fiz., Vol. 28, No. 4(10), 484-9 (1955). In Russian. English translation in: Soviet Physics JETP (New York), Vol. 2, No. 3, 402-5 (May, 1956).

In mass-spectrometer measurements of the isotopic constitution of boron (the compounds of boron were ionized with an electron beam), an effect was observed which depended upon the isotopic distribution. The resulting investigation of this

effect showed that during the evaporation of the boron compounds from a platinum oven, vapours of the heavy isotope appeared preferentially, which is an effect opposite to that which should be observed during an ideal evaporation. It was found that in the preparation of gaseous and solid boron compounds a similar separation of the isotopes occurs with the same sign for the separation coefficient. The influence of the indicated distribution effect on the accuracy of the determination of the isotopic constitution of boron was investigated.

A.

21.5300(2P16, 1033, 1138)  
 87371  
 S/120/60/000/004/010/028  
 E032/E414  
 AUTHORS: Shyuttse, V., Demirkhanov, R.A., Gutkin, T.I.,  
 Samadashvili, O.A. and Karpenko, I.K.  
 TITLE: A Double Focusing Mass-Spectrograph for the Measurement  
 of the Masses of Isotopes

PERIODICAL: Priory 1 tekhnika eksperimenta, 1960, No.4, pp.92-98  
 TEXT: A description is given of a double-focusing mass spectrograph in which the double focusing condition is obeyed for all mass numbers. The principal ion optical parameters are as follows: ion deflection angle in the electric field  $31^{\circ}50'$ ; ion deflection angle in the magnetic field  $90^{\circ}$ ; radius of curvature in the electric field 51 cm. Owing to large linear dimensions, high stability of deflecting fields and accurate adjustment, a resolution of 120000 was achieved. The corresponding line widths were 1.5 to 2 u. The dispersion per 1% of mass was between 0.25 and 2.25 mm. A permanent magnet is employed so that the same degree of stability is achieved over the whole mass range. The spectrometer is essentially of the Mattauch type, as indicated by Fig.1, where 1 is the ion source, 2 is a cylindrical condenser, 3 is the magnet, 4 is a vacuum  
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S/120/60/000/004/010/028  
E032/E414

A Double Focusing Mass-Spectrograph for the Measurement of the  
Masses of Isotopes

valve, 5 is the input slit, 6 is a vacuum-tight screen which also serves as the ion current receiver, 7 are slits, 8 is a Faraday cylinder, 9 is a magnetic slit, 10 is an ion-optical (image) converter with a quartz light guide, 11 is the photographic plate holder, 12 are diffusion pumps and 13 is the concrete foundation. The length of the photographic plate is 400 mm. The input slit is at a distance of 360 mm from the boundary of the electric field and the distance between the electric and the magnetic fields is 560 mm. The ion source is in the form of a water-cooled gas discharge tube. With an anode voltage of 50 kV and anode-cathode potential difference of 25 kV, the discharge current was 4 to 5 mA. The accelerating electrode is earthed and the general arrangement of the electrodes is indicated in Fig.3. The anode is in the form of a copper cylinder with a closed end and a circular aperture drilled through it. The cathode is in the form of a steel disc, having a channel of 0.5 mm in diameter and 8 mm long. The flux of slow ions

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E032/E414

A Double Focusing Mass-Spectrograph for the Measurement of the  
Masses of Isotopes

leaving this channel is accelerated by a third electrode in the form of a truncated cone and having a 1 mm diameter aperture. The position of the anode can be varied relative to the cathode. The magnet is such that fields up to 11000 Oe can be produced in a 4 mm gap; it is a permanent magnet with Armco-iron poles. The use of a permanent magnet ensures a high degree of uniformity ( $\Delta H/H \sim 10^{-7}$ ). In order to reduce the effect of the fringe field, a special magnetic slit made of high permeability material is used (9). Acknowledgments are expressed to E. Gotman who took part in the development of the design and to V. F. Moskovskiy and P. S. Brostyuk for practical assistance. There are 7 figures and 17 references: 1 Soviet and 16 non-Soviet.

SUBMITTED: May 16, 1959

Card 3/5

Fig. 1.

L 44134-66 ENP(1)/SWI(m)/7/ENP(1)/STI IJP(c) JD/GG

ACC NR: AP6022996

SOURCE CODE: UR/0185/66/011/004/0383/0388

63  
B

AUTHOR: Dubovoy, V. K. ; Kucherov, I. Ya. ; Shyyanovs'kyi, V. I.

ORG: Kiev State University im. I. G. Shevchenko (Kyyivs' kyy derzhuniversityet)

TITLE: Investigation of certain electrical properties on the surface of cadmium sulfide single crystals

SOURCE: Ukrayins' kyy fizychnyy zhurnal, v. 11, no. 4, 1966, 383-388

TOPIC TAGS: molecular crystal, crystal surface, electric field, electrode, cadmium sulfide, single crystal

ABSTRACT: The effects of the natural atmosphere, dry air, O<sub>2</sub>, H<sub>2</sub>O vapor, CO<sub>2</sub>, and a transverse electric field on the conductivity of CdS single crystals with ohmic In—Ga electrodes have been investigated. In the case of sample I, dry air, O<sub>2</sub>, and CO<sub>2</sub> vapor have practically no effect on the conductivity, while under the effect of the

Card 1/2

SIADK, B.

"The border of the arctic as a climatic area." p. 3. (Gazeta Obserwatora, Vol. 6, no. 7, July 1953. Warszawa.)

SO: Monthly List of East European Accessions, Vol. 3, No. 2, Library of Congress, February 1954, Uncl.

SIADK, BRONISLAW

8.1-286

551.577.36(4.8)

✓ Siadek, Bronisław. Częstość opadów atmosferycznych na Hali Gasienicowej. [Frequency of atmospheric precipitation in the Gasienicowa Valley.] *Przegląd Meteorologiczny i Hydrologiczny*, Warsaw, 7(1/2):37-43, 1954. 3 figs., 5 tables, eqs. English summary p. 43. DWB, DLC--The results of the study of precipitation frequency in the largest valley of the northern slopes of the Tatra Mountains, based on observational data at the local meteorological station for 1927-1951, are presented in tables showing the number of days with precipitation during every month of the period, and its monthly, seasonal and annual mean. The great frequency of precipitation in the area is explained by the altitude of the station (1520 m), a variety of barometric situations and valley winds causing orographic precipitation. Further, the author classifies the days with precipitation into categories (under 0.1 mm; 0.1-1.00 mm; 1.0-10.0 mm, and 10 mm and over) and discusses the frequency of their occurrence according to months and seasons. *Subject Headings:* 1. Precipitation frequencies 2. Gasienicowa Valley, Poland 3. Tatra Mountains, Poland.—A.M.P.

SIADEN, B.

Uzbekistan. p. 474, (WIEDZA I ZYCIE, Vol. 21, No. 7, July 1954, Warszawa,  
Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5  
May 1955, Uncl.



AM, 1.

Subject relations of climatology in the light of a discussion in the USSR. p. 103.  
PUBLISHED "SOVIET GEOGRAPHY". "SOVIET GEOGRAPHY", Moscow, Vol. 27, no. 1, 1955.

SOBOLEV, B.F.; YUDIN, S.T, retsenzent; inzhener; SIALAYEV, A.F.,  
kandidat tekhnicheskikh nauk, redaktor; KRYLOV, V.I. redaktor;  
TIKHONOV, A.Ya., tekhnicheskii redaktor.

[Metal pourer in foundry shops] Zalivshchik metalla liteinykh  
tsakhov. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroitel'noi  
lit-ry, 1955. 138 p. (MLRA 8:12)  
(Founding)



VIZENTAL', I.B., inzh.; SIAMASHVILI, Zh.G., inzh.

Testing machine for detecting defects in steel hoisting ropes.  
Gor.zhur. no.5:49-50 My '61. (MIRA 14:6)

1. TSvetmetavtomatika, Moskva.  
(Wire rope—Testing) (Testing machines)

SIANKOWA, Ludomila

Parthenogenesis in quadrupeds. Kosmos biol 11:550-557 '62.

SIANO, V.I.

Treatment of lupus erythematosus with transfusion of dry blood  
dermat. Vest. vener. No.3:47-49 May-June 50. (CLML 19:4)

1. Of Sverdlovsk Scientific-Research Skin-Venereological Institute  
(Director and Scientific Supervisor — Prof. M.B.Potashnik) and  
of Sverdlovsk Blood-Transfusion Station (Director — Candidate  
Medical Sciences M.I.Sakharov).

SIANO, V. I., TSEINER, E. H.

Single penicillin dose in treatment of gonorrhea. Vest. vener.  
No. 6, Nov.-Dec. 50. p. 43-50

1. Of Otkryabr'skiy Rayon Skin-Venereological Dispensary (Head --  
Ye. H. Tseyner) and of the Municipal Venereological Dispensary  
(Head Physician -- D. N. Plishkin), Sverdlovsk.

OLM. 20, 3, March 1951

SIAMO, V.I.; DROBIZ, F.D.

Therapeutic effect of nicotinic acid and its deficiency in the  
organism in lupus erythematosus. Vest. vener. no.2:42-44 Mar-Apr  
1951. (CIML 20:9)

1. Candidates Medical Sciences. 2. Of Sverdlovsk Oblast Scientific-  
Research Skin-Venereological Institute (Director and Scientific  
Supervisor -- Prof. M.B. Potashnik).

S I A N O S, J.

621.791.75.058

3765

Pilarczyk J., Sianos J. Effect of Mn Content in Wire and MnO in Flux on the Mn Content in Welds Made by the Shielded Arc Process. MG.

„Wpływ zawartości Mn w drucie i MnO w topniku na zawartość Mn w spoinie przy metodzie spawania łukiem krytym”. Przegląd Spawalnictwa. No. 11, 1954, pp. 237—246, 27 figs., 7 tabs.

Trials were made to determine the degree of migration of manganese from wire and flux into the welds made by the shielded arc process. For this purpose a number of welding wires and fluxes were prepared having a varying content of Mn and MnO. It was established that for welding low-carbon steel by the shielded arc process welding wires of average content of about 1.5 per cent of manganese and fluxes of about 20 per cent of MnO are the most suitable. Excessive quantity of MnO in fluxes is harmful by reason of the migration of a considerable part of the manganese into slag and penetration of the phosphorus into welds.

of ①

1. Plik, Dr. Ing. LADZISLAW, Wieslawa

2. Publications following exchange transfusion, Federal, No. 10  
No. 10/1950-1951, 1952.

3. 4. Minika Poloznistwa i Chorob Kocznych Studia. No. 10/1950-1951  
10-1951 w Warszawie i z Oddzialu Poloznictwa-Ginekologii  
10-1951 w Warszawie i z Oddzialu Poloznictwa-Ginekologii  
10-1951 w Warszawie i z Oddzialu Poloznictwa-Ginekologii.

RUSZKOWSKI, Jozef; SIANOZECKA, Elzbieta; ZIELINSKI, Jan

Importance of the early determination of sex in pseudohermaphroditism.  
Gin. polska 29 no.4:457-464 July-Aug 58.

1. Z Oddzialu Ginekologiczno-Poloczniczego Instytutu Gruzlicy i Instytutu  
Doskonalenia i Specjalizacji Kadr Lekarskich w Warszawie Kierownik: prof.  
dr M. Zulska. Dyrektor Instytutu Gruzlicy: prof. dr J. Misiewicz Dyrektor  
Instytutu Doskonalenia i Specjalizacji Kadr Lekarskich: prof. dr W. Hartwig.  
Adres: Instytut Gruzlicy - Warszawa, Plocka 26.

(HERMAPHRODITISM

pseudohermaphroditism, male, psychol. importance of  
early determ. of true sex (Pol))

(SEX CHARACTERISTICS

psychol. importance of early determ. of true sex in male  
pseudohermaphroditism (Pol))



SIANOZSKA, Elzbieta; IWANOWSKA, Teresa

Hypoplasia of the skin. Pediat. polska 36 no.4:411-414 '61

1. Z Oddziału Położniczo-Ginekologicznego Instytutu Gruzilicy  
Ordynator: prof. dr med. M. Bułska i ze Studium Doskonalenia  
Ledarzy w Warszawie Dyrektor: prof dr med. S. Łukasik.

(SKIN abnorm)

RAFALOWICZ, A.; SIANOZECKA, E.; ZIELINSKI, J.

A case of serological conflict of main blood groups and of the Lewis system with myeloblastic reaction in mother and infants. Pol. tygod. lek. 17 no.32:1268-1270 6 Ag '62.

1. Z Oddziału Położniczo-Ginekologicznego; kierownik: prof. dr M. Bułska i z Oddziału Chorob Wewnętrznych; kierownik: prof. dr B. Jochweds — Instytutu Gruzlicy; dyrektor: prof. dr W. Jaroszewicz.  
(ERYTHROBLASTOSIS FETAL) (ANTIBODIES)

TOMASZEWSKI, Leszek; KANSY, Jerzy; SIANOZECKA, Elzbieta

Fetal hemoglobin as an index of the effectiveness of exchange transfusion in newborn infants. *Pediat. pol.* 38 no.5:437-446  
My '63.

1. Z Laboratorium Zespołu Klinik Oddziału Pediatrycznego AM  
w Warszawie Kierownik Laboratorium: dr med. L. Tomaszewski  
Z Kliniki Położnictwa i Ginekologii II Centralnego Szpitala  
Klinicznego Kierownik Kliniki: doc. dr med. J. Higier i z  
Oddziału Położniczo-Ginekologicznego Instytutu Gruzlicy  
Ordynator: dr med. J. Ruszkowski.

(HEMOGLOBINS, ABNORMAL)  
(ERYTHROBLASTOSIS, FETAL)  
(EXCHANGE TRANSFUSION)

SIARA, V.

"Problem of unification of terminology. p. 10. (PETROL SI GAZE, Vol. 6, no. 1/2, Jan/Feb 1954. Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC.  
Vol. 4, No. 5, May 1955, Uncl.

SIARA, V.

SIARA, V. A criticism and proposal for the improvement of the State Standard 1907-52, .  
Heating Installations; calculation of losses of heat. p. 22.  
Establishments in the field; on the margin of findings in the 1st semester of  
of 1946 in agricultural units regarding the application of state  
standards. p. 25.

Vol. 8, No. 9, Sept. 1956

STANDARTAREA

TECHNOLOGY

Bucuresti, Romania

So: East European Accession, Vol. 6, No. 2, Feb. 1957

SIARA, V.; TONEA, I.

SIARA, V.; TONEA, I. Calculation of the rain-water output for indoor sewerage.  
( to be continued) p. 18.

Vol. 8, no. 10, October 1956

STANDARDIZAREA

TECHNOLOGY

Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

SIARA, V.; TONEA, I.

SIARA, V.; TONEA, I. Calculation of the rain-water output for indoor sewerage. (Conclusion) p. 24.

Vol. 8, no.11, Nov. 1956

STANDARDIZAREA

TECHNOLOGY

Bucuresti, Rumania

So: East European Accession, Vol. 7, no. 3, March 1957

SIAPA, V.

Calculation of masonry sections based on the breaking stage; resistance to rupture. p. 164.  
(Standardizarea, Vol. 9, No. 4, Apr. 1957, Bucuresti, Rumania)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol.6, No.2, Aug 1957. Uncl.



SIAPA, V.

Completion and explanations for the application of STAS 4161-53. p. 340  
(STANDARIZAREA. Vol. 9, no. 7, July 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957  
Uncl.

SILOA, A., ENCELEA, T.

A New type of hollow bricks. p. 129

STANDARDIZA-BA. (Oficiul di Stat pentru Standarde si Comitrful Electrotehnic Romin)  
Bucuresti, Rumania. Vol. 11, No. 9, Sept. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No2, Feb. 1960  
Uncl.

EXCERPTA MEDICA Sec.11 Vol.11/5 Oto-Rhino-Larngo.May55

905. THE PHENOMENON OF TRANSIENT AUDITORY PERCEPTION (Russian-text) - Siargava V. A. Tartu - VESTN. OTO-RINO-LARING. 1957, 5 (90-92) Graphs 3

Audiometric investigation reveals transient auditory perception in deaf and hard-of-hearing people caused by intense acoustic stimulation - the so-called phenomenon of transient auditory perception. Out of 656 audiograms based on the examination of 386 deaf and hard-of-hearing people the phenomenon of transient auditory perception has been observed in 196 cases (29.9%).

DIAROV, A.

"Snow Deposits as a Factor in Increasing the Yields of Agricultural Plants" p. 19, (KOOPERATIVNO ZEMEDELIE, Vol. 10, No. 1, Jan. 1955, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4 No. 5, May 1955, Uncl.

SIAROV, Dima

The old covered bridge of Lovech. Nauka i tekhnolozhiya no.2:3-4  
F '57.

SIAROV, S.

Pavel Khristov, rationalizer. p. 18.

RATSIONALIZATSIIA. Vol. 6, no. 2, Feb. 1956

Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of  
Congress, Vol. 6, No. 1, January 1957

SINCE, C.

11. W. C. Front-ranker in agricultural machine construction. p. 54.

Vol. 11, no. 5, May 1956

REPRESENTATIVE FILM 111

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offia, Bulgaria

So: East European accession, Vol. 6, no. 3, March 1957

LIUBENOV, Al., inzh.; SIAKOV, Sl., inzh.; POPOV, St., inzh.

• Methods of determining static characteristics of single-rimmed hydrocopying apparatus. Mashinostroene 13 no.6:15-18 '64



LIUBENOV, A., inzh.; SIAROV, S., inzh.; POPOV, S., inzh.

Criterion of stability in hydraulic tracking systems.  
Mashinostroeni 13 no.10:15-19 0 '64.

SIAROV, Sp.

Rationalizer Seiko Ganchev Nedialkov. Ratsionalizatsiia no.5:20-  
21 '62.

SINOV, Sp.

New Bulgarian machines. Tekh delo 502 1 7D '63.

S/196/62/000/005/002/012  
E194/E154

AUTHORS: Waltenberger-Razniewska, M., Siarzewski, L., and  
Waniewski, E.

TITLE: Factors influencing the elongation of single-domain  
particles of iron produced by the amalgam method

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,  
no.5, 1962, 2, abstract 5 B12. (Prace Inst. hutn.,  
v.13, no.1, 1961, 47-52 (Polish, with summary in  
Russian and English)).

TEXT: Colloidal particles of iron of single domain structure  
were produced by electrolytic deposition on a mercury cathode. ✓  
Analysis of the results obtained when the electrolytic bath was  
fed from a rectifier, a d.c. generator and an accumulator showed  
that the greatest ratio of  $B_r$  to the saturation magnetic field  
intensity  $H_c$  was obtained in powders deposited by a steady,  
non-pulsating current at a density of about 20 mA/cm<sup>2</sup>. The  
saturation field  $H_c$  and  $B_r$  were measured by placing a test  
tube containing the amalgam (3% Fe) in a magnetometer.  $H_c$   
reached 500 oersteds. By study of the powders in an electron  
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Factors influencing the ...

S/196/62/000/005/002/012  
E194/E154

microscope with the magnification of X 66 000 it was found that  
the particles were elongated (photographs are given).  
38 literature references.

ASSOCIATION: Inst. Metali Nieżalaznych PNR  
(Institute of Non-ferrous Metals, PFR).  
(see also abstract 5 B11 and Ref.Zh.Elek. 1961,  
abstract 10 B34).

[Abstractor's note: Complete translation.]

Card 2/2

WANIEWSKI, Edward, mgr inz.; SIARZEWSKI, Leszek, mgr inz.; RUSZ, Jan, mgr inz.

Soft magnetic alloy materials with rectangular hysteresis loop.  
Rudy i metale 8 no.2:46-52 F '63.

FISEROVA-BERGEROVA, V.; ROTH, Z.; SIASTNY, V.; PODLESAK, K.

Experiences with the determination of cholinestase activity by the visual colorimetric method in beet- and hop-growing areas. Prac. lek. 15 no.7:280-285 S '63.

1. Ustav hygieny prace a chorob z povolani v Praze, reditel prof. dr. J. Teisinger, DrSc. Oddeleni hygieny prace KHES v Usti n. Labem, vedouci dr. V. Pekarek.

(CHOLINESTERASE) (BLOOD) (COLORIMETRY)

(PHOSPHORUS POISONS, ORGANIC)

(AGRICULTURAL WORKERS DISEASES)

SIATKOWSKI, JANUSZ

TECHNOLOGY

SIATKOWSKI, JANUSZ. Słownictwo Warmii i Mazur; budownictwo i obróbka drewna. Wrocław, Nakład m. odowy im. Ossolińskich, 1958. 140 p. (Vocabulary of Warmia and Masuria; building and woodworking. 1st ed. fold.maps(inportfolio), bibl., footnotes, index, tables)

MIDW

Vol. 103, no. 1, Jan. 1959

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. '58



ROGOZA, O.I.; SIBAGAT'ILLINA, F.M.

Approximative method of solving dynamic problems of diffraction from an edge, caused by intersecting contacts of media, and comparison of theoretical and experimental data. Prikl. geofiz. no.36:3-27 '63. (MIRA 16:9)

(Seismic waves) (Diffraction)

GARA' N. A. . . . ., O.I.; SHAGATULLINA, P.M.

absorption properties of water-saturated and oil- and gas-  
saturated reservoirs. Prikl. geofiz. no.44:99-111 '65. (MIRA 18:9)

69336

S/129/60/000/05/016/023  
E091/E235

18.1150

AUTHORS: Tylkin, M. A., Candidate of Technical Sciences, and  
Sibak, V. I., Engineer

TITLE: Application of High-Manganese Steel for the Manufacture  
of Metallurgical Instrument Parts

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov,  
1960, Nr 5, pp 53-54 (USSR)

ABSTRACT: The steel G13L (1 to 1.3% C and 11 to 14% Mn) is melted  
in a 3-ton electric melting furnace and used for the  
casting of shaped articles. As cast, this steel has  
an austenitic structure with some martensite (see Fig,  
p 53) and carbide inclusions which lower its mechanical  
properties. Quenching the steel eliminates this defect.  
The  $M_s$  point is below room temperature, hence rapid  
cooling fixes the austenitic structure and the steel  
exhibits high mechanical properties. The hardness can  
be increased by mechanical deformation. Heating to  
200 to 250°C leads to decomposition of the austenite,  
accompanied by a drastic decrease in plastic properties.  
Therefore, this steel is unsuitable for the manufacture  
of components operating at elevated temperatures. The

Card 1/3

work hardens, which makes

SIBALIC, D.; KRANJIC, M.

The value of various culture media in the isolation of *Entamoeba dysenteriae* from human feces. Srpski arh. celok. lek. 83 no.7-8:797-802 July-Aug 55.

1. Institut za parazitologiju Srpske akademije nauka u Beogradu. Upravnik: Gedomir Simic.

(AMEBIASIS, INTESTINAL,  
culture media in isolation of *Entamoeba dysenteriae*,  
value (Ser))

(CULTURE MEDIA,  
in isolation of *Entamoeba dysenteriae*, value (Ser))

SIBALIC, Desanka

Viability of Endamoeba dysenteriae caused cysts without carrier.  
Srpski arh. celok. lek. 84 no.10:1117-1121 Oct 56.

1. Odeljenje za parazitologiju Instituta za medicinska istrazivanja  
srpske akademije nauka u Beogradu. Upravnik: akademik prof. dr.  
Cedomir Simic.

(ENDAMOEBIA HISTOLYTICA, culture  
viability without carrier (Ser))

SIMIC, C.; PETROVIC, Zl.; MINAKOVIC, Stojanka; SIBALIC, Desanka;  
HENEBERT, Nada

Contribution to the study of human intestinal parasites in our country. XII. Intestinal parasites in school children in the Sumadija region. Glas. srpske akad. nauk.[Med] no.15:67-74 '60.

(HELMINTHIASIS in inf & child)

S

YUGOSLAVIA

SIBALIC, Desanka, Department of Parasitology of the Institute for Medical Research (Odeljenje za Parazitologiju Instituta za Medicinska Istrazivanja), [Belgrade?]

"Frequency of Infection with *Toxoplasma gondii* in Swine"

Belgrade, Acta Veterinaria, Vol 16, No. 3, 1966; pp 193-196

Abstract [French summary modified]: Study of sera of 466 hogs from Belgrade slaughterhouse 1965: over 26% were positive for toxoplasmosis, titers varying from 1:10 to 1:4000; highest titers were found in animals aged 6 to 12 months; highest frequency of titers was in older animals. On the other hand, biologic isolation of *Toxoplasma gondii* organisms succeeded in only 11 out of 1587 (latter including the 466 above) hogs. 2 tables, 1 Yugoslav, 5 Western references. Manuscript received 31 May 66.

1. The first part of the report is a general description of the project and its objectives. It includes a brief history of the project and a statement of the problem being addressed. The second part of the report is a detailed description of the methodology used in the study. This includes a description of the data collection methods, the statistical methods used for data analysis, and the results of the analysis. The third part of the report is a discussion of the results of the study and their implications. This includes a comparison of the results with previous studies and a discussion of the limitations of the study. The final part of the report is a conclusion and a list of references.

1. The following information was obtained from a review of the files of the Central Intelligence Agency, dated 10/17/78, 13.

2. The following information was obtained from a review of the files of the Central Intelligence Agency, dated 10/17/78, 13.

3. The following information was obtained from a review of the files of the Central Intelligence Agency, dated 10/17/78, 13.



SIRALIC, Mileva; PEROVIC, Saveta

Iodine and fluorine content in the drinking and surface waters in  
Serbia. Glasn. hig. inst., Beogr. 3 no.1-2:64-73 Jan-June 54.

(WATER SUPPLY

fluorine & iodine content in Yugosl.)

(FLUORINE, determ.

in drinking water in Yugosl.)

(IODINE, determ.

in drinking water in Yugosl.)

SIBALIC, M.

YUGOSLAVIA/ Chemical Technology. Chemical Products and Their  
Application—Water Treatments. Sewage

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 8706

Author : Sibalic, M., Boskovic, T., Stanojevic, M.

Inst : Not given

Title : Drainage Waters and Industrialization

Orig Pub: Tehnika, 1958, 13, No 6; Hem. Ind., 12, No 6  
81-88

Abstract: Problems of river pollution are studied by drainage waters in Yugoslavia. These are divided into three groups: a) predominantly containing organic substances; b) predominantly containing mineral substances; and c) containing both organic and mineral substances. Characteristics of drainage water composition in a number of industries are given. — M. Lapshin

Card 1/1

SIBALIC, Mileva, inz.; JAKOVLJEVIC, Kosta, dipl. hem.

Sub-artesian and dug wells in Sombor and its environment.  
Glas. hig. inst. 9 no.1/2:57-69 '60.

(WATER SUPPLY)

SIBALIC, M.; DORDEVIC, S.; PEROVIC, S.

Amount of iodine and fluorine in potable water and the incidence of goiter in the former district of Alibunar. Higijena 12 no.1:45-50

'61.

(GOITER statist)  
(IODINE)

(WATER SUPPLY)  
(FLUORINE)

SIBALIC, M.; ATANACKOVIC, V.; JAKOVLJEVIC, K.; RAMZIN, I.S.

Use of certain micro-chemical studies in geo-medicine. Higijena 13  
no.1:60-73 '61.  
(TRACE ELEMENTS) (SOIL chem)

SIBALIC, S.

"A contribution to the study of Helminthes in our domestic animals, based on data received from research made on animals killed in slaughterhouses." P. 19 (ARHIV BIOLOSKIH NAUKA, Vol. 3, no. 1/2, June 1951, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #6, Library of Congress  
August, 1953, Uncl.

YUGOSLAVIA/Diseases of Farm Animals - Diseases Caused by  
Helminths. Arachno-Entoms.

R.

Abs Jour : Ref Zhur - Bioli, No 6, 1958, 26355  
Author : Nevenich, V., Petrovich, K., Sibalich, S., Tsvetkovich,  
Lj., Angelovskiy, T.  
Inst : -  
Title : Our Experience in Combatting Sheep Scabies with the  
Help of "Vetalin".  
Orig Pub : Veterin. glasnik, 1956, 10, No 10, 758-762  
Abstract : No abstract.

Card 1/1

11/11/12  
SURNAME (In caps); Given Names

Country: Yugoslavia

Academic Degrees: [not given]

Affiliation: Institute for Invasion Diseases of the Faculty of  
Veterinary Medicine (Insitut za invazione bolesti  
Veterinarskog fakulteta) Belgrade

xxxxxxx

Source: Belgrade, Veterinarski glasnik, No 5, 1961, pp 373-375.  
Data: "Contribution to the Understanding of Harmful Effect of Gastroenteric  
Parasites on the Growth of Fattening Lambs."

Authors:

SIBALIC, S.  
CVETKOVIC, Lj.  
NEVENIC, V.

25b



- Reference: "Scientific Study", Vol. 10, pp. 1-10.
1. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  2. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  3. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  4. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  5. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  6. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  7. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  8. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  9. "The Role of the Brain in the Control of the Body" (pp. 1-10).
  10. "The Role of the Brain in the Control of the Body" (pp. 1-10).

Holmsted, Neurological Diseases, Vol 16, No 12, 1931 (cont'd)

11. Electrical and Accidents of Staff in Artificial Insulation-  
Wien Conference R. Sig pp 107-108.
12. Supplies of Drinking Water in Hotels and Hospitals  
S. K. Kozlov pp 108-109.
13. Diabetes Insipidus in a Czech R. Kozlov, Clinical  
Center of the Veterinary Faculty of FSVH (ABP, not  
identified) pp 109-110.
14. Protein Fractionation R. Kozlov and R. Kozlov, Vet.  
Institute Academy of Science of Czechoslovakia pp  
111-112.
15. Registration of Pathologic Changes in Pathogenesis  
V. Kozlov, Veterinary Faculty of FSVH pp 112-113.
16. Registration of Pathologic Changes in the Current of Pathogenesis  
Program 1. Kozlov pp 113-114.

1. Institute of Pathology and Pathogenesis of Pathogenesis, Veterinary  
Faculty of FSVH, Prague, Czechoslovakia. 2. Institute of Pathology and  
Pathogenesis, Faculty of FSVH, Prague, Czechoslovakia. 3. Institute of  
Pathology and Pathogenesis, Faculty of FSVH, Prague, Czechoslovakia. 4.  
Institute of Pathology and Pathogenesis, Faculty of FSVH, Prague, Czechoslovakia.

(33)

2/2

YUGOSLAVIA

S. SIBALIC [Affiliation not given]

"Occurrence, Persistence and Spread of Infectious Diseases Accompanying Intensive Turkey Breeding."

Belgrade, Veterinarski Glasnik, Vol 17, No 2, 1963; pp 153-157.

Abstract: Discussion of coccidiosis, histomoniasis, hexamitiasis, trichomoniasis, helminthoses and ectoparasitoses. These diseases were generally less of a threat in small farms of the past but with the rapid increase in flock size their economic impact can be very heavy, making completely different patterns of prevention and treatment quite imperative. Clinical details regarding incidence age, other factors of susceptibility and contributory conditions, and diagnosis.

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1/1

YUGOSLAVIA

CVETKOVIC, Lj.; SIBALIC, S.; LEPOJEV, Olga; and PANJEVIC, Dj., Institute for Preventive Veterinary Medicine (Institut za Preventivnu Veterinarsku Medicinu), Belgrade

"Changes in the Blood of Lambs Naturally Infected by Trichostrongylides During the Pasture Season"

Belgrade, Acta Veterinaria, Vol 16, No. 3, 1966; pp 217-228

Abstract [English summary modified]: Hemograms, fecal studies and serum protein analysis in lambs in the field in 1963 and 1964. Trichostrongyloidosis was much more prevalent in 1963 due to the dry season and relative scarcity of food; eosinophilia paralleled increase in gammaglobulins and both occurred simultaneously with the decrease in intensity of parasitization. Graph, 4 tables, 1 Soviet, 1 Yugoslav, 25 Western references. Manuscript received 26 Nov 65.

1/1

- 44 -

DE 455, ...

"A ... of ... of Yugoslavia, by ... 1981.

(A ... 1981, ... 1/4, ... 1981, ... Yugoslavia).

So: ... List of ... Acquisitions, Library of Congress, Vol. 2,  
No. 10 October, 1981, ...

RADEJ. Nada, mr. pharm.; VAJIC, Bozidar, dr.; SIBALIC, Stanimir, dipl. hem.

Methionine content in various species of wheat, corn, bean and pea.  
Glasn. hig. inst., Beogr. 3 no.1-2:53-59 Jan-June 54.

(PEAS

methionine content)

(BEANS

methionine content)

(WHEAT

methionine content)

(CORN

methionine content)

(METHIONINE, determ.

in corn, beans, peas & wheat)

IV  
VAJIC, B., mr. pharm.; VELASEVIC, K., dipl. hem.; SIBALIC, S.

Hemoglobin and protein content of the blood in children fo the  
district of Kosovo and Metohija. Glasn. hig. inst., Beogr. 3  
no.1-2:77-80 Jan-June 54.

(HEMOGLOBIN, determ.

in Yugosl. child.)

(BLOOD PROTEINS, determ.

in Yugosl. child.)

SIBALIC, Stanimir

A new culture medium for the microbiologic determination of tryptophan. Stanimir Sibalic and Naula Radej (Inst. Hyg., Belgrade, Yugoslavia). *Ann. inst. Pasteur* 86, 703-7(1954).—The medium contained 5 g. of peptone, treated with  $H_2O_2$ , 60 ml. of yeast ext., 0.1 g. of L-cystine, 0.1 g. of L-tyrosine, 0.1 g. of DL-methionine, 0.5 g. of  $K_2HPO_4$ , 0.5 g. of  $KH_2PO_4$ , 0.2 g. of  $MgSO_4 \cdot 7H_2O$ , 0.01 g. of NaCl, 0.01 g. of  $MnSO_4 \cdot 4H_2O$ , 0.01 g. of  $FeSO_4 \cdot 7H_2O$ , 20 g. of glucose, and 10.0 g. of  $NaOAc \cdot 3H_2O$  in 500 ml. The pH was adjusted to 6.8. To prep. the yeast ext., 200 g. of bakers' yeast was mixed with 500 ml. of  $H_2O$  and the pH adjusted to 4.5 with 10%  $H_2SO_4$ . The mixt. was steamed in an open autoclave for 2 hrs. then at  $121^\circ$  for 20 min. When cool the mixt. was centrifuged. The protein of the supernatant was detd. by the Kjeldahl method. In order to eliminate tryptophan 16 ml. of 16%  $HgSO_4$  in 7N  $H_2SO_4$  was added per g. of protein. The mixt. was left overnight at  $40^\circ$  and centrifuged. The pH was brought to 4.5 with  $Ca(OH)_2$  and the Hg pptd. with  $H_2S$ . The mixt. was centrifuged and the pH of the supernatant adjusted to 6.5 with 0.1N  $Na_2CO_3$  and the  $H_2S$  removed by aeration. The ext. was stored with toluene in a dark bottle. The tryptophan in hydrolyzates of casein, maize, and bean was detd. by the use of this medium and *Lactobacillus arabinosus*. The results corresponded exactly with those obtained by the method of Lyman, Moseley, Wood, and Hale (C.A. 40, 7266<sup>2</sup>). Rachel Brown

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NAUMOVIC, M.; Sibalic, S.; VAJIC, B.

Vitamin A and carotene content in children's blood in the District  
of Kosovo-Metohija. Glas.hig.inst., Beogr. 4 no.1-2:51-56 Jan-June  
'55.

(VITAMIN A, in blood,  
in child. in Serbia, Yugosl., normal content despite  
subnormal nutrition(Ser))

(CAROTENE, in blood  
in child. in Serbia, Yugosl., normal content despite  
subnormal nutrition(Ser))

(BLOOD  
carotene & vitamin A in child. in Serbia, Yugosl.,  
normal content despite subnormal nutrition(Ser))

SIBALIC, Stanimir; NAUMOVIC, Mihajlo; VAJIC, Bozidar

The normal values of vitamin A and carotene in blood in our country. Srpski arh. celok. lek. 83 no.5-6:638-643 May-June 55.

1. Higijenski institut Narodne Republike Srbije u Beogradu.  
Direktor: Radomir Geric.

(VITAMIN A, in blood  
in Belgrade workers (Ser))

(CAROTENE, in blood  
in Belgrade workers (Ser))

(BLOOD  
vitamin A & carotene in Belgrade workers (Ser))

SIBALIC, S. M.

Modification of the Shinn-Nicolet method for threonine  
determination. Glasn. Hig. inst., Beogr. 5 no.3:105-108  
July-Sept 56.

(THREONINE, determ.  
semimicro determ. by modified Shinn-Nicolet method  
(Ser))

SIBALIC, S. M., Dr.; RADEJ, N. D., dr.

Determination of aminoacids with one-dimensional paper chromatography. Glasn. hig. inst., Beogr. 5 no.4:15-30 Dec 56.

(AMINO ACIDS, determ.  
paper chromatography (Ser))

SIBALIC, S., prof., dr.; RADEJ, Nada, dr.

Content of essential amino acids in various types of pea  
(*Pisum sativum*). Glas. hig. inst. 9 no.1/2:1-10 '60.

(AMINO ACIDS chem) (VEGETABLES)

SIBALIC, Stanimir M.; PUTNIK, Dusica R.

A rapid method for the determination of copper in serum and urine.  
Glas. hig. inst. 10 no.1/2:35-40 Ja-Je '61.

1. Higijenski institut NR Srbije Biohemijsko odeljenje.

(COPPER chem)

BOJANOVIC, Jelena J.; CORBIC, Milanka O.; JEVTOVIC, Anka D.;  
SIBALIC, Stanimir M.

Methods of determining nitrogenous substances in biological materials. I. Micromethod for the determination of nitrogenous components in blood serum, or blood plasma. Glas Hem dr 25/26 no.5/7:361-366 '60/'61.

1. Medicinski fakultet, Hemijski institut, Veterinarski fakultet, Hemijski institut, Beograd.

✱

SIBALIC, Stanimir M.; JEVTOVIC, Anka D.; RISTOVIC, Ljubisa;  
BOJANOVIC, Jelena J.; CORBIC, Milanka O.

Methods of determining nitrogenous substances in biological  
materials. II. Determination of nitrogen of the free  $\alpha$ -amino  
acids and polypeptides. Glas Hem dr 25/26 no.5/7:367-372  
'60/'61.

1. Veterinarski fakultet, Hemijski institut, Medicinski  
fakultet, Hemijski institut, Beograd.





L.

RAVNAY, Tamas, dr.; SIBALIN, Eva, dr.

Incidence of Kimmig's absorption band and studies on its significance. *Borgyogy. vener. szemle* 33 no.1:19-24 Feb 57.

1. A Szegedi Orvostudományi Egyetem Bor- és Nemibeteg Klinika közleménye. (Igazgató: Ravnay, Tamas, dr., egyetemi tanár).

(SKIN DISEASES, urine in  
non-specificity of Kimmig's spectrum absorp. band in  
photodermatitis (Hun))

HOLLO, Maria Z.; SIBALIN, Eva I.

Behavior of the disulfide bonds of human serum under the effects of alkali. Kiserletes Orvostudomány 11 no.1:60-63 Feb 59.

1. Szegedi Orvostudományegyetem Bor- és Nemibeteg Klinikája.

(BLOOD PROTEINS

disulfide bonds, behavior in alkaline hydrolysis (Hun))

(CYSTINE, in blood

disulfide bonds of protein-bound cystines, behavior in alkaline hydrolysis (Hun))

YUGOSLAVIA/Diseases of Farm Animals. Diseases Caused by  
Bacteria and Fungi.

R-2

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16916

Author : Brudnjak, Z.; Zelenka, P.; Sibalin, M.

Inst : -

Title : On Equine Leptospirosis.

Orig Pub : Veterin. arh., 1956, 26, No 5-6, 165-173.

Abstract : Sixteen cases of leptospirosis of horses were under observation. In 3 of them the causative agent, *Leptospira pomona*, was isolated. The disease occurred in summertime and was characterized by a high fever, depression, loss of appetite, jaundice, and an acute hyperemia of the vessels of the conjunctive and sclera. In some instances, a skin rash and lesions of the eye were observed. The apparent source of infection were pigs which used the same stagnant water as horses. Meteorological conditions (rainy summer) favored the development of the disease. The treatment

Card 1/2

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SIBALSZKY, Z.

✓ Electron conduction in colored alkali halide crystals.  
 J. Bards and Z. Sibalisky (Tech. Univ. Budapest, Hung.).  
 Acta Phys. Acad. Sci. Hung. 2, 277-88(1952)(in German).  
 The temp. coeff. of the cond. was detd. for colored crystals  
 of NaCl, KBr, and KCl. Values of the dissoc. energy  
 $\Delta B$ , particularly those corresponding with  $F$  centers, are  
 tabulated in e.v. units. Corresponding optically detd.  
 values of other workers are included for comparison. The  
 cond. measurements were made with a.c. and the crystals  
 were heated rapidly ( $1^\circ/\text{min.}$  over the range  $200-450^\circ$ ) to  
 minimize decolorization. Replacement of the formula used  
 by Sibalisky (C.A. 29, 3236) with  $\nu = \exp(-\Delta B/2kT)$ , which is  
 the correct one for these semiconductors, gives values for  $\Delta B$   
 that agree with the optically detd. values. Cond. as a  
 function of temp. can generally be represented by straight  
 lines with abrupt changes of slope. For NaCl, values near  
 the  $F$  and  $F'$  centers were found that corresponded to 1  
 absorption max. found by Gyulal (C.A. 33, 8180) on blue  
 rock-salt crystals. On crystals decolorized by current flow,  
 values for the  $F$  centers could still be obtained. The  
 multiplicity of  $\Delta B$  values and the agreement with results of  
 optical measurements suggest that the elec. conduction of  
 the crystals is electronic rather than ionic. All crystals  
 remained colored throughout the tests. Cf. C.A. 44,  
 3358c. P. E. Brajd

4/3/54

SIBAROV, A.D.

Change thoroughly the daily mine work and pay record. Ugol' 29 no.1:  
39-40 Ja '54. (MIRA 7:1)

1. Kombinat Voroshilovgradugol'.  
(Coal mines and mining--Accounting)

SIBAROV, A.D.

Lessons to be drawn from practices by A.Kol'chik's brigade  
("Aleksandr Kol'chik and his followers" by A.I.Poliakov. Book  
review by A.D.Sibarov). Ugol' Ukr. 3 no.4:44 Ap '59.  
(MIRA 12:7)

1. Stalinskiy sovnarkhoz.  
(Coal mines and mining) (Poliakov, A.I.)

SKRIPNIK, Pavel Mikhaylovich; SIBAROV, A.D., spets. red.; KAGAN, T.B., red.;  
SAMOLETOVA, A.V., tekhn. red.

[Analysis of the administrative operations of machinery manufacturing  
plants] Analiz khoziaistvennoi deiatel'nosti mashinostroitel'nykh za-  
vodov. Stalino-Donbass, knizhnoe izd-vo, 1960. 85 p. (MIRA 14:7)  
(Machinery industry)



TVERDOKHLEB, Nikolay Grigor'yevich; SIBAROV, A.D., otv. red.; MIROSHNI-  
CHENKO, V.D., red. izd-va; SABITOV, A., tekhn. red.

[Over-all accounting mechanization in the mines and enterprises  
of the coal industry] Kompleksnaia mekhanizatsiia ucheta na shakhtakh  
i predpriiatiakh ugol'noi promyshlennosti. Moskva, Gos. nauchno-  
tekhn. izd-vo lit-ry po gornomu delu, 1961. 293 p. (MIRA 14:9)  
(Coal mines and mining—Accounting) (Machine accounting)

SIBAROV, A.

Learn the skills of economic management. Sov.shakht. 10 no.4:  
28-29 Ap '61. (MIRA 14:9)

1. Glavnyy bukhgalter Stalinskogo sovnarkhoza.  
(Mine management)

BRO, Gdaliy Grigor'yevich; BOKIY, Orest Borisovich, kand. tekhn. nauk, prof.; SHOTKOV, Shaya Benitsianovich; SIBAROV, A.D., retsenzent; GRINER, N.S., red.izd-va; SABITOV, A., tekhn. red.; KONDRAT'YEVA, M.A., tekhn. red.

[Financial and economic operations of underground and open-cut coal mines; an economic analysis] Finansovo-khoziaistvennaia deiatel'nost' ugol'noi shakhty i razreza; ekonomicheskii analiz. Moskva, Gosgortekhnizdat, 1963. 311 p.

(MIRA 16:12)

(Coal mines and mining--Finance)

SHESAREVSKIY, Aleksandr Petrovich; OGURTISOV, V.V., retsenzent;  
POPOV, G.Ye., retsenzent; RODIONOV, I.I., retsenzent;  
SIBAROV, A.D., retsenzent

[Experience in the reorganization of accounting work in  
mines] Opyt perestroiki bukhgalterskoi raboty na shakh-  
takh. Moskva, Nedra, 1964. 130 p. (MIRA 18:6)